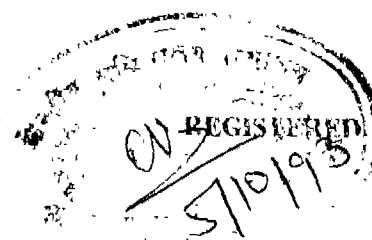


रजिस्टर्ड सं० डीएस—33001/93



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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No. 33] NEW DELHI, SATURDAY, AUGUST 14, 1993 (SRAVANA 23, 1915)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
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Calcutta, the 14th August 1993

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पेटेंट कार्यालय**एकत्र तथा अभिकल्प**

कलकत्ता, दिनांक 14 अगस्त 1993

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

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पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परले (पश्चिम),
चम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा
दीव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटॉफिक”

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनिक्काय तथा एमिनिदिव द्वीप ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-
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कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

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उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
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के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट
अथवा बैंक द्वारा की जा सकती है ।

SPECIAL NOTICE

The name and application No. Index of Complete Specifica-
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The Patent Office, 234/4, Acharya Jagadish Bose Road, Cal-
cutta-700 020.

**APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20**

The dates shown in the crescent branch are the dates
claimed under Section-135, of the Patents Act, 1970.

The 25th June 1993

360/Cal/93. PPV-Verwaltungs-AG. “Procedure for the pro-
duction of integral foam material.”

361/Cal/93. Mitutoyo Corporation, “A Tape measure
Device”.

The 28th June 1993

362/Cal/93. The Western States Machine Company, “Load-
ing control system for a cyclical centrifugal mach-
ine”.

363/Cal/93. The Coca-Cola Company, “Modular refrigera-
tion apparatus”.

364/Cal/93. General Electric Company. “Method and ap-
paratus for the continuous field annealing of amor-
phous metal transformer cores”.

365/Cal/93. Phillips Petroleum Company, “Process for pre-
paring ethylene copolymer”.

366/Cal/93. Alma Margaret Jones, “Improved women's
stocking and support”.

367/Cal/93. Fina Technology, Inc., “Process for producing
novel catalyst for producing syndetic polyolefins
by polymerising olefins”.

368/Cal/93. Novatech GMBH, “Airship for goods and pas-
senger transport”.

369/Cal/93. PPV-Verwaltungs-AG. “A method for the pro-
duction of internal skin foam”.

The 29th June 1993

370/Cal/93. Bhanu Prakash Vishwakarma, “Air pressure
machine for use in powerplant”.

371/Cal/93. Lucky Limited, “Modified human granulocyte
macrophage-colony stimulating factor gene and
expression thereof in yeast”.

The 29th June 1993

372/Cal/93. Phillips Electronics N.V., “Method of manu-
facturing a hollow cone and device suitable for
carrying out the method, cone manufactured by

the method, and cathode ray tube provided with such a cone".

The 30th June 1993

- 373/Cal/93. Fintube Limited Partnership, "Enhanced serrated fin for finned tube".
 374/Cal/93. Felten & Guillaume Austria AG. "Automatic circuit breaker".
 375/Cal/93. 1. Trond Nilsen, 2. Erling Normann, "Ventilation device".
 376/Cal/93. Nederlandse Organisatie Voor Toegepast-natuurwetenschappelijk Onderzoek Tno, "Chromium (III) recovery from chromium-containing liquors".

The 02nd July 1993

- 377/Cal/93. 1. Mr. Biswanath Kar, 2. Mr. Tushar Kanti Kar, 3. Mr. Sisir Kumar Kar, 4. Timirbaran Kar, Mr. Samir Kumar Kar. "An improved padlock with safety arrangement against unwanted opening thereof".
 378/Cal/93. Degussa Aktiengesellschaft, "A catalytic automotive emission control process with improved cold-start behaviour".
 379/Cal/93. Degussa Aktiengesellschaft, "A process for the production of suspensions of cyanuric chloride in aqueous liquids".
 380/Cal/93. General Electric Company, "Method for brazing rotor bars to end rings of a rotor for an asynchronous AC motor".
 381/Cal/93. Baker Norton Pharmaceuticals, Inc., "A method of vasodilator therapy".
 382/Cal/93. The Babcock & Wilcox Company, "A discharge restrictor for a flow-through impingement type solids collector".
 383/Cal/93. Workwell Engineering India, "Mechanical starter for internal combustion engines".

The 05th July 1993

- 384/Cal/93. E. I. Du Pont De Nemours and Company, "Preparing cationic-dyeable textured yarns".
 385/Cal/93. Nicholas Kowanko, "Adhesive composition and method".
 386/Cal/93. Johnson & Johnsons Medical, Inc., "Absorbent product".
 387/Cal/93. Wilhelm Hegenscheidt Gesellschaft MBH, "A method for reprofiling the wheel profile areas consisting in each case of running tread and wheel flange area of the wheels of railway wheel sets".
 388/Cal/93. Emerson Electric Co., "Pulley retention mechanism".
 389/Cal/93. Dr. (Ms.) Amrita Patel and National Dairy Development Board, "A method of preparing a controlled delivery system, capable of being administered to domestic ruminants, for effective prevention/cure from/of gastrointestinal nematodosis".

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर वे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

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Ind. Cl. : 29 D [XLI (2)]

172451

Int. Cl. : G 11 C-17/00, G 06 K-1/00.

A DEVICE FOR ACCESSING ACCESS CARD HAVING AT LEAST ONE PERMANENTLY SEPARABLE CORNER.

Applicant & Inventors : PRABHAKAR DEODHAR, INDIAN NATIONAL AT LANDS MARK, CARTER ROAD, BOMBAY-400 030, MAHARASHTRA, INDIA; AND JILADHAR SANNABHADTI, INDIAN NATIONAL, AT 14, ASHA KIRAN, 132 GARODIA NAGAR, BOMBAY-400 077, MAHARASHTRA, INDIA.

Application alongwith provisional specification No. 234/Bom/1989 filed on 21-8-1989 and the complete after provisional specification left on 20-8-1990.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Bombay-14.

2 Claims

A device for accessing access card having at least one permanently separable corner, comprises :

- a main body;
- a slot for inserting, the said access card after separating from it the separable corner, into the said main body;
- an electrically/electronically connected reading head located within the said main body, which is displaceable to operative/inoperative configurations with the help of a locking latch located outside the said main body;

characterized in that at least one corner of the said slot which coincide with the said separated corner of the access card is provided with a stopper element corresponding to the shape and size of the said separated corner of the access card.

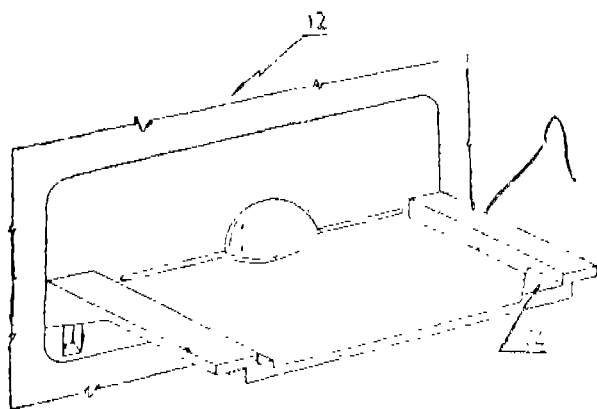


FIG - 3

Provisional Specification—5 pages;

Drg.—Nil

Compl. specn.—7 pages;

Drgs. 2 sheets.

Ind. Cl. : 69 B, Gr. [LIX (1)]

172452

Int. Cl. : H 01 H—83/16.

DIFFERENTIAL PROTECTIVE RELAY APPARATUS.

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA, A JAPANESE COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, 2, 3, MARUNOUCHI, 2-CHOME, CHIYODA-KU TOKYO 100, JAPAN.

Inventors : (1) MAKOTO TERADA, (2) YOSUKE TSUJIKURA.

Application No. 324/Bom/1989 filed on 21st November, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Bombay-13.

8 Claims

A differential protective relay apparatus for a plurality of lines connected to a bus bar, a current transformer provided in each of said trunk lines and a differential circuit connecting each of secondary windings of the respective current transformers in parallel, comprising :

- a first switching over circuit for changing an impedance of said differential circuit from a first value into a second value depending upon a terminal voltage of the differential circuit;
- a second switching over circuit for changing said impedance from the second value into a third value depending upon the terminal voltage of said impedance;

a plurality of voltage detecting elements for detecting said terminal voltage of said differential circuit and said terminal voltages of said impedance, and

an interlock circuit for tripping a circuit breaker which is constituted by a judgement logic sequence connection of contacts that are switched output by said voltage detecting elements respectively.

Compl. specn.—30 pages;

Drgs. 5 sheets

Ind. Cl. : 84 A, [XXXII(2)]

172453

Int. Cl. : C 10L, 5/42.

FLEXIBLE BIO-GAS PLANT.

Applicant : SWASTIK RUBBER PRODUCTS LIMITED SWASTIK HOUSE, KHADKI, PUNE-411 003, MAHARASHTRA STATE, INDIA, AN INDIAN COMPANY DULY REGISTERED AND INCORPORATED UNDER THE COMPANIES ACT, 1956.

Inventor : KUMAR DATTATRAYA DIGHE.

Application No. 3/Bom/1991, filed on 7th January, 1991.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Bombay-13.

1 Claim

Flexible bio-gas plant comprising an integral digester as also a gas holder, characterised in that the said digester-cum-gas holder is made of flexible material such as rubberised fabric, the said fabric being made out of compatible polymer; to the said digester-cum-gas holder there is provided an inlet for putting the material in the digester which constitute the lower portion of the said bio-gas plant, there is provided an outlet at the middle portion for tapping the affluent material and another outlet at the upper top portion for tapping the gas; there are optionally provided expansion joints such that a plurality of gas flexible bio-gas plants are connected in tandem to increase the output through one or two common outlet.

Comp. specn. 6 pages

Drgs. 3 sheets

Ind. Cl. : 170 A XLIII (4)

172454

Int. Cl. : C 11 D—3/395.

PROCESS FOR BLEACHING SUBSTRATES.

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) KEITH CHARLES FRANCIS, (2) JOHN OAKES.

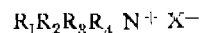
Application No. 21/BOM/1991 filed Jan. 18, 1991.

U. K. Convention dated Jan. 23, 1990.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972), Patent Office Branch, Bombay-13.

7 Claims

Process for bleaching substrates by treating the substrate with a bleach solution comprising essentially an organic mono-peroxyacid not containing an additional negative charge and a quaternary ammonium compound having the formula :



wherein R_1 is a C_8-C_{18} alkyl, alkenyl or alkaryl group; R_2 , R_3 and R_4 are each C_1-C_3 alkyl groups, wherein the total number of carbon atoms of R_1 , R_2 , R_3 and R_4 is from 15 to 21; and X^- is a counter-ion, including Cl^- , NO_3^- or $CH_3SO_4^-$ or a quaternary ammonium compound having the formula :



wherein at least two R's are C_4-C_{12} alkyl, alkenyl or alkaryl groups and the remaining R or R's are C_1-C_{12} alkyl, alkenyl or alkaryl groups, wherein the total number of carbon atoms of all four R's is from 12 to 28, preferably from 14 to 26; and \bar{X} is a counter-ion, including Cl^- , NO_3^- or $CH_3SO_4^-$, as bleach booster for said mono-peroxyacid; said quarternary ammonium compound being present at a level of from 1×10^{-4} to 12×10^{-4} Molar, preferably from 2×10^{-4} to 10×10^{-4} Molar.

Comp. specn. 20 pages,

Drg. Nil

Ind. Cl. 69 D O O G [LIX]

172455

Int. Cl. : H 01 H—1/60.

AN IMPROVED MECHANICAL SWITCHING DEVICE SUCH AS CONTACTOR.

Applicants : LARSEN & TOUBRO LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT L & T HOUSE, BALLARD ESTATES BOMBAY-400 038, MAHARASHTRA, INDIA.

Inventors : (1) MUKUNDAGIRI VARADACHARI, (2) LAKSHMINARASIMHAN, (2) HEMANT LAXMAN CHAUDHARI.

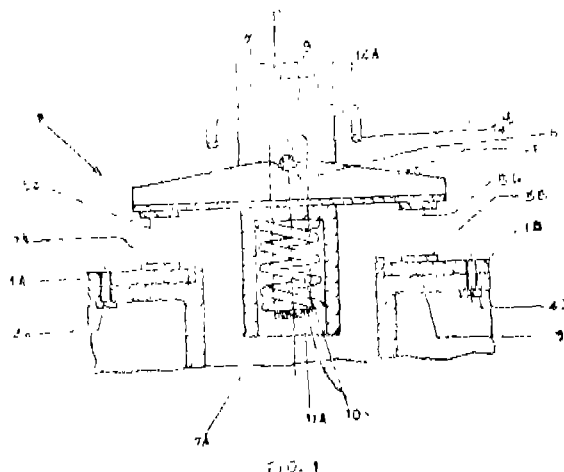
Application No. 26/Bom/1991 filed on 25-1-1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

3 Claims

An improved mechanical switching device such as contactor including among other features, a contact system consisting of at least one pair of fixed contacts $1A, 1B$ mounted on the housing of the said device and each being provided with a contact button $5A, 5B$ and a moving contact assembly consisting of atleast one moving contact provided with a pair of contact buttons $8A, 8B$ and located in a movable bridge through a transverse opening provided in the said moveable bridge, the said moving contact $6A$ protruding the said moveable bridge laterally and being positioned to make and break a circuit associated with the said device by engaging and disengaging the said fixed contacts $1A, 1B$ the said moving contact $6A$ being held in position by a crosspin 9 abutting said moving contact 6 and located in the said moveable bridge through a transverse slot provided in the said moveable bridge at right angle to the said transverse opening, the said crosspin 9 being biased towards the said moving contact 6 by a spring 10 provided with a spring holder 11 disposed in an axial recess formed in the said moveable bridge, one end of the said spring holder being locked to the said crosspin, the improvement consisting of a support means provided on said moveable bridge and projecting out of said moveable bridge laterally, said support means being positioned above the said crosspin and away from the axis of the said spring, the line passing through the centre of said support means intersecting the axis of said spring at said crosspin at an angle of 30 to 60°, said sup-

port means providing a fulcrum of a lever of the first order to facilitate lifting up of said crosspin.



Compl. specn.—12 pages;

Drgs. 3 sheets

Ind. Cl. : 70 B [LVIII(5)]

172456

Int. Cl. : C 25 B—1/08.

A POROUS ELECTRODE FOR USE IN A FILTER-PRESS TYPE HIGH PRESSURE ALKALINE WATER ELECTROLYSER CELL MODULE AND A METHOD OF MANUFACTURING THE SAME.

Applicants : BHABHA ATOMIC RESEARCH CENTRE, TROMBAY, BOMBAY-400085, MAHARASHTRA, INDIA.

Inventors : (1) MADHAVAN GOPALKRISHNAN NAYAR, (2) PADMANABHA RAO RAGUNATHAN & (3) SWAPAN KUMAR MITRA.

Application No. 31/BOM/1991 filed Jan. 31, 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

5 Claims

A porous electrode for use in a filter-press type high pressure alkaline water electrolyser cell module consisting of an electrode metal porous plaque located in between an electric conductor metal inner ring and an electric conductor metal outer ring firmly in close contact therewith, said plaque extending over one side and outer periphery of said inner ring, the edge of said plaque sitting flush with the other side of said inner ring, said outer ring sitting flush with said plaque at both sides thereof.

Compl. specn. 10 pages;

Drgs. 2 sheets

Ind. Cl. : 189 Gr. [LXVI(9)]

172457

Int. Cl. : A 61K, 7/40.

A COMPOSITION FOR TOPICAL APPLICATION TO HUMAN SKIN TO PROVIDE PROTECTION FROM EXCESSIVE EXPOSURE TO ULTRA-VIOLET RAYS.

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA. A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventors : 1. GREGG ALAN NICOLL, 2. ANN CAMILLA OJO-OSAGIE, 3. IAN RICHARD SCOTT.

Application No. 128/BOM/1991 filed on 7th May, 1991.

U. K. Priority dated 10th May, 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

11 Claims

A composition for topical application to human skin to provide protection from excessive exposure to ultra-violet rays, which comprises:

- (a) an effective amount of sunscreen comprising a mixture of water-dispersible ultrafine titanium dioxide and oil-dispersible ultrafine titanium dioxide; and
- (b) a cosmetically acceptable vehicle for the sunscreen.

Compl. specn. 40 pages,

Drg. Nil

Ind. Cl. : 5B, Gr. [I(1)]

172458

Int. Cl. : A 01 G—9/02.

A SELF IRRIGATING POT FOR PLANTS.

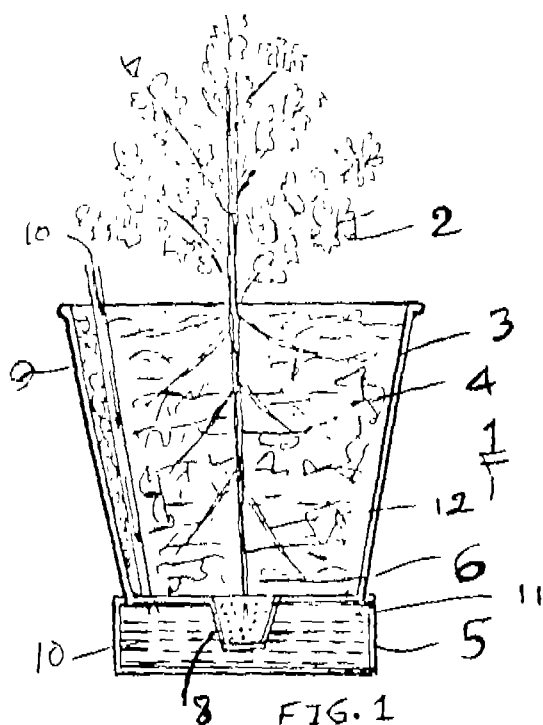
Applicant & Inventor : RAAM VENKATESH PARANJPE, 484/48, MITRA MANDAL, PUNE-411 009, MAHARASHTRA STATE, INDIA, A SUBJECT OF THE REPUBLIC OF INDIA.

Application No. 132/BOM/91 filed on 9th May, 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

1 Claim

A self irrigating pot for plants comprising a main pot for holding soil or the like substrate for the plant to grow, the said main pot being placed over another pot or chamber holding water, the bottom of the said main pot being provided with a porous cup and a plurality of radial or randomly located slits, one or more vent pipe/s being provided in the main pot, which reaches the bottom of the main pot and opens in the said water chamber, water being poured through the vent pipe/s to be collected in the lower water chamber, a small gap being maintained above the water level in the said lower chamber below the bottom of the said main pot, arrangement being such that the porous cup dipping in the water absorbs water and transfers it to the soil or such material placed in the main pot where the plant is growing.



Compl. specn. 4 pages,

Drgs. 1 sheet

Ind. Cl. : 39 E-III

172459

Int. Cl. : C 01 B-25/10.

A PROCESS AND APPARATUS FOR THE PRODUCTION OF FREE-FLOWING DRY PHOSPHORUS PENTACHLORIDE.

Applicant & Inventor : RAJNIKANT DEVIDAS SHROFF, AN INDIAN NATIONAL, 202 PARISHRAM, 40 PALI HILL BANDRA, CITY OF BOMBAY-400 050, STATE OF MAHARASHTRA, INDIA.

Application No. 142/Bom/1991 filed on 15-5-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

15 Claims

A process for the production of free-flowing dry phosphorus pentachloride by direct reaction between phosphorus trichloride and chlorine, characterised in that phosphorus trichloride is vaporised at a temperature range of 65° to 85°C the phosphorus trichloride vapours are subjected to heating at a temperature range between 100° to 170°C prior to being fed to a reactor, chlorine gas is introduced into the said reactor for reaction with the pre-heated phosphorus trichloride vapours in the gaseous phase, phosphorus pentachloride vapours produced by the said reaction are cooled to a temperature range between 60° to 75°C and passed into a chamber for being settled down on the walls of the said chamber in fine crystalline form, fine particulates of phosphorus pentachloride are scrapped from the walls of the chamber and collected and packed without being exposed to atmosphere, the ratio between phosphorus trichloride and chlorine being maintained within the range of 20 : 1 to 1 : 1.

(Comp. Specn. 18 pages;

Drwg. 1 sheet)

Ind. Cl. : 170 D [XLIH (4)]

172460

Int. Cl. : C11 D-9/22.

CLEANING COMPOSITIONS PROVIDING IMPROVED MUSH REDUCTION MILDNESS ENHANCEMENT OR BOTH.

Applicants : HINDUSTAN LEVER LTD., HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA INDIA. A COMPANY IN INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventors :

1. KEVIN MICHAEL FINUCANE.
2. FREDERICK SILVIO OSMER.
3. ALAN PAUL GREENE.

Application No. 162/BOM/1991 filed on 4-6-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

10 Claims

A cleaning composition providing mush reduction, mildness enhancement or both consisting essentially of:

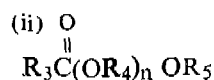
- (a) a fatty acid soap in an amount greater than 25% by weight;
 - (b) 1-50% by weight of a detergent other than fatty acid soap;
 - (c) 1-15% by weight of free fatty acid; and
 - (d) 1-15% by weight of a compound selected from the group consisting of:
- (i) $R(OR_1)_n OR_2$

wherein R is an alkyl group having from 1 to 22 carbon atoms, a mono- or disaccharide sugar, sorbitol, or a sorbitol derivative;

R₁ is an alkyl group having 1 to 5 carbon atoms;

R_2 is hydrogen, an alkyl group having from 1 to 22 carbon atoms, a mono- or disaccharide sugar, sorbitol, a sorbitol derivative or an alkenyl group having 14 to 19 carbon atoms; and

n is at least 1; and



wherein R_3 is an alkyl group having from 1 to 21 carbon atoms or an alkenyl group having from 14 to 19 carbon atoms;

R_4 is an alkyl group having 1 to 5 carbon atoms;

R_5 is hydrogen, an alkyl group having 1 to 22 carbon atoms, an alkenyl group having from 14 to 19 carbon atoms, a mono- or disaccharide, sorbitol or a sorbitol derivative; and

n is at least 1.

(Comp. Specn. 28 pages

Drwg Nil)

Cl.: 63 E.

172461

Int. Cl.: H 02 K 9/04, 9/18.

FAN ASSEMBLY FOR USE IN AN ELECTRIC MOTOR.

Applicant: EMERSON ELECTRIC CO. OF 8100 W. FLORISSANT ST. LOUIS, MISSOURI 63136 USA.

Inventor:

- (1) GERALD NEWTON BAKER.
- (2) BARRY MONROE NEWBERG.

Application No. 179/Cal/89; filed on 2nd March 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

8 Claims

A fan assembly for use in an electric motor having a stator assembly, a rotor assembly including a rotatable shaft, and an endshield attached to the motor and having air venting apertures therein, the fan assembly comprising:

a hub structure such as herein described; and

a first set of blades extending radially outward from the hub structure;

characterized by a second set of blades also extending radially outward from the hub structure, the blades of the first said set alternating with the blades of the second said set about the hub structure; and,

each of the blades of the first said set having a paddle blade attached thereto, said paddle blades extending from the blades of the first set in axial direction of the hub structure and extending radially outward from said hub structure and creating with the first said set of blades a flow of air from inside the motor to the external environment through the air venting apertures.

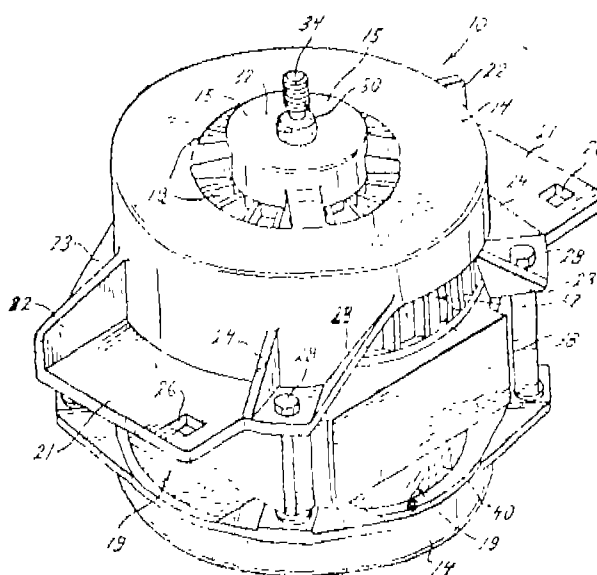
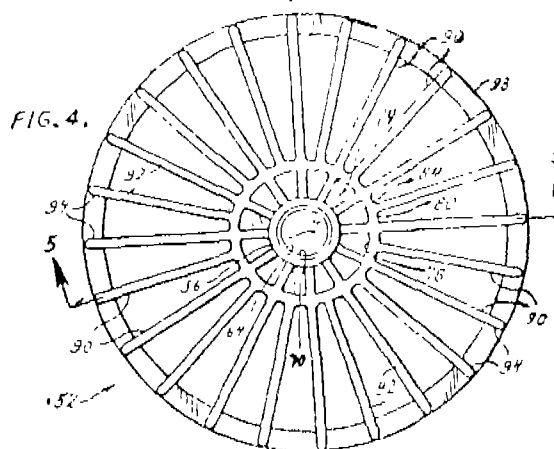


FIG. 1.



(Compl. Specn. 15 pages.

Drgns. 3 sheets)

Cl.: 131-A-2; 200-D.

172462

Int. Cl.: E 21 B 43/00.

A METHOD AND A DEVICE FOR THE PRODUCTION OF ELECTRICAL ENERGY AND SIMULTANEOUS RECOVERY OF PETROLEUM AND NATURAL GAS INDEPENDENTLY FROM A MIXTURE OF PETROLEUM & NATURAL GAS.

Applicant: KSB AKTIENGESELLSCHAFT OF POSTFACH 225, JOHANN-KLEIN-STRASSE 9, D-6710 FRANKENTHAL, FEDERAL REPUBLIC OF GERMANY.

Inventor: HEINRICH HOFMANN.

Application No. 202/Cal/1989; filed on 13th March 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

8 Claims

Fig.1

A device arranged downstream from the opening of a source of gas-charged petroleum for the production of electrical energy and simultaneous recovery of petroleum and natural gas independently from a mixture of petroleum and natural gas, said device comprising conveying means for passing the said mixture under pressure through at least one turbine or, respectively, a turbine stage and a generator driven by the same, by means of which a part of the energy contained in the petroleum emerging from the source in the form of excess pressure, is converted into electrical energy, and in which furthermore, there is a means for separating the petroleum, reduced in pressure, from the gas contained therein and in which finally at least pump stage is present, which is driven by the energy from the emerging petroleum, for pumping degassed petroleum, there being a unit which consists essentially of an energy producing turbine (8), through which the gas-charged petroleum flows, flows, in which turbine the lowering of the pressure necessary for the separation of the petroleum and the gas is achieved and wherein there is also provided a following separation container (11) and of one or more machines (14 and 15) for conveying one or both separate individual components.

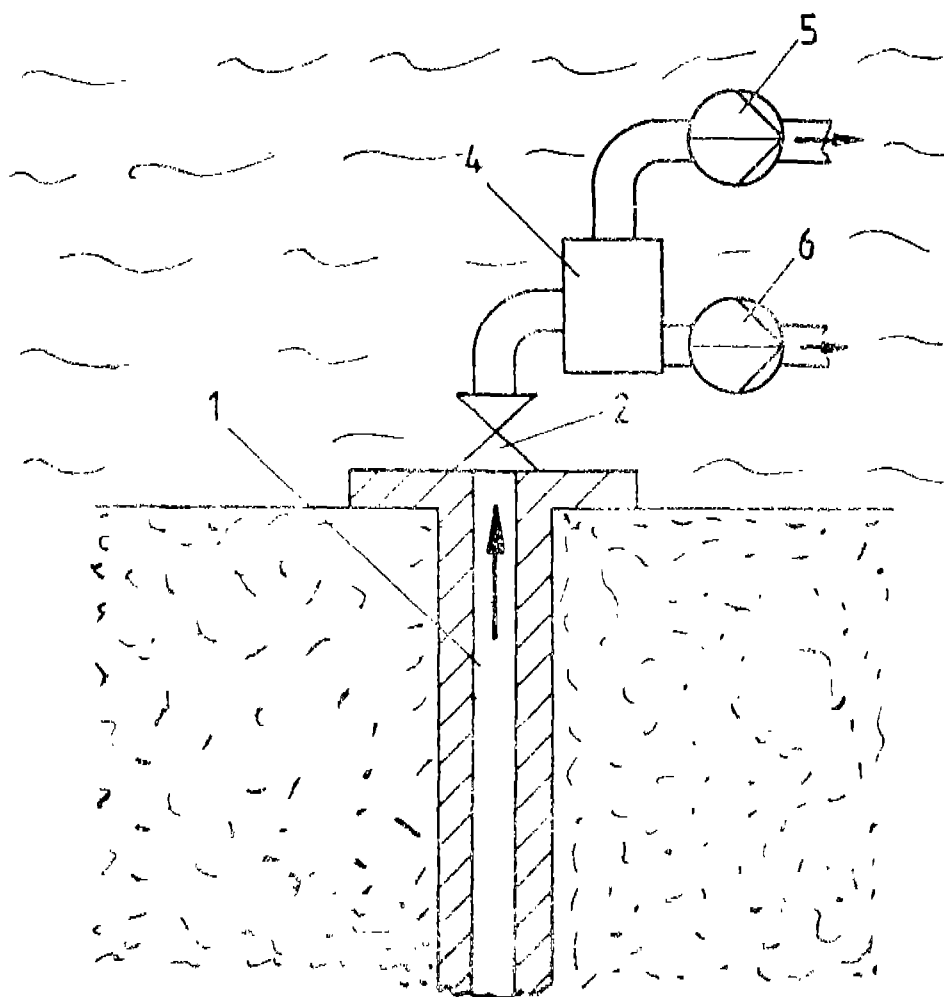
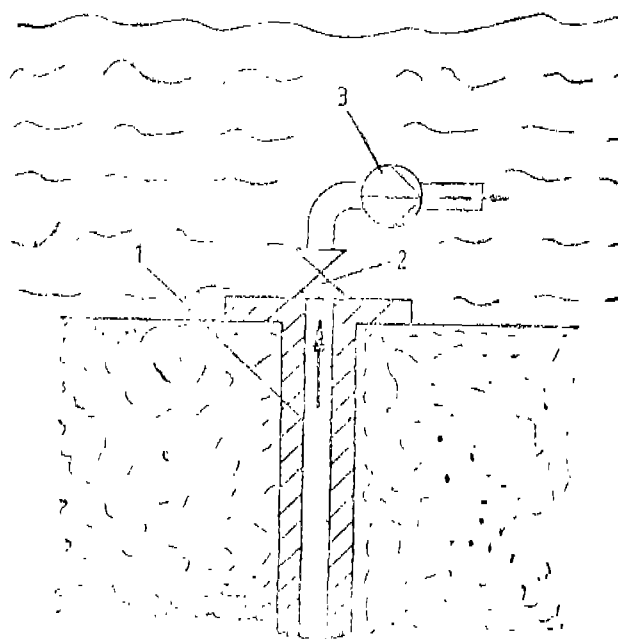
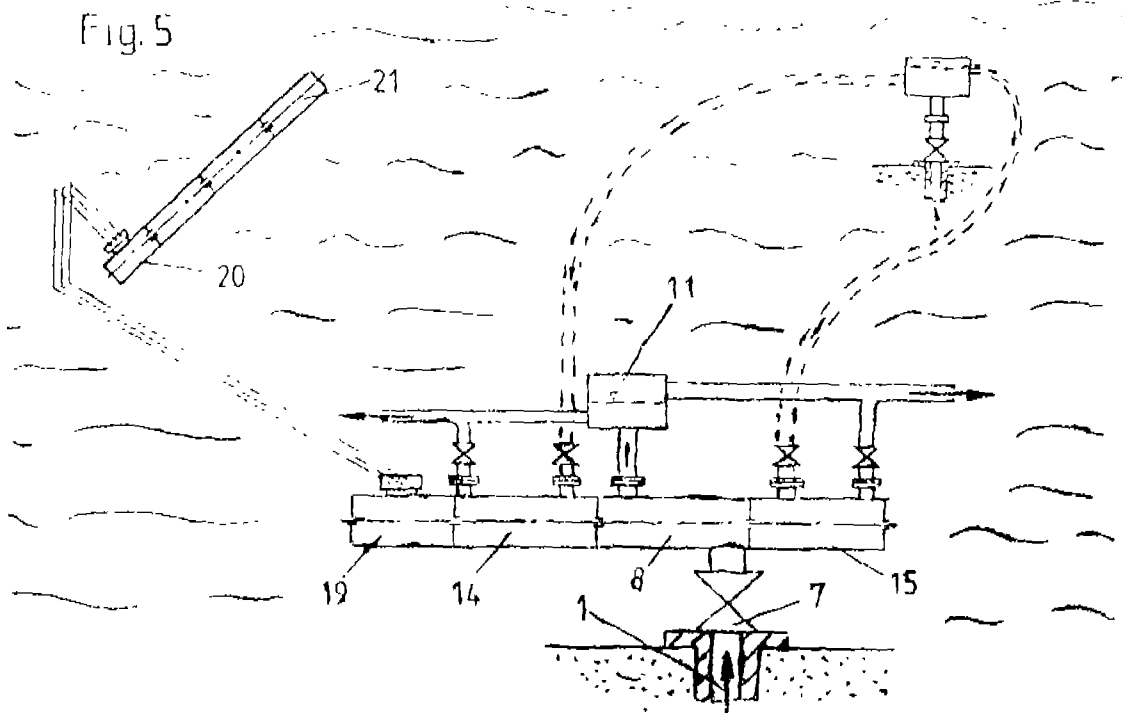
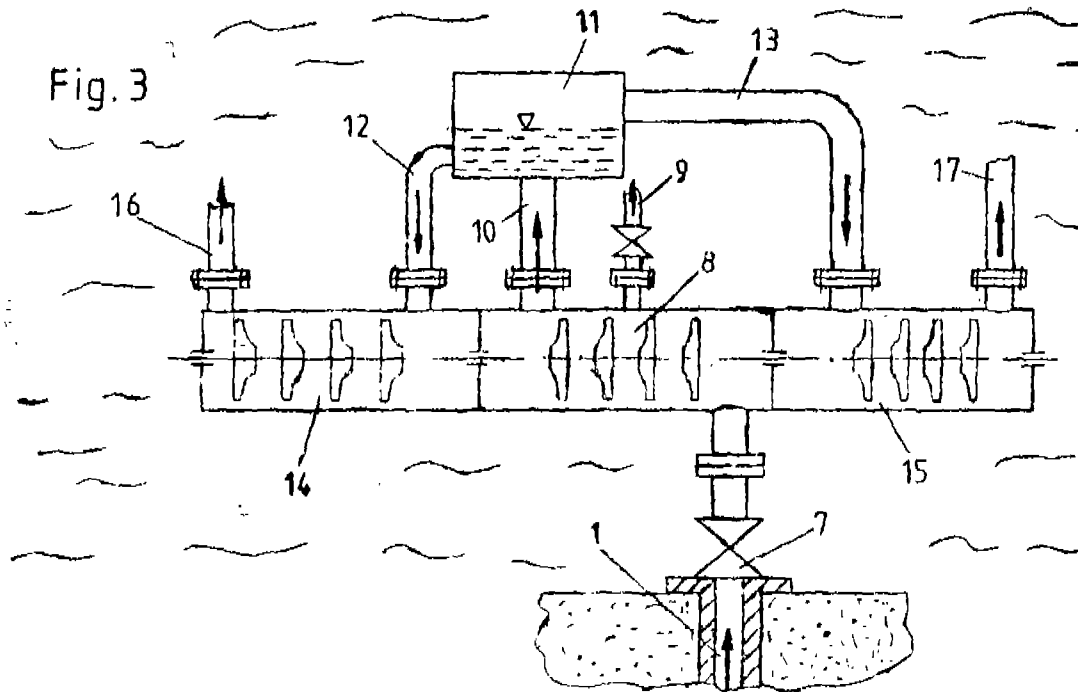


Fig. 2



Cl.: 139-A, 40-F.

172463

Int. Cl.: C 09 C 1/48.

APPARATUS AND METHOD FOR PRODUCING CARBON BLACK.

Applicant: COLUMBIAN CHEMICALS, OF 1600 PARKWOOD CIRCLE, SUITE 400, ATLANTA, GEORGIA-30339, U.S.A.

Inventor: WILLIAM ROSS JONES, JR.

Application No. 598/Cal/1989 filed on 25th July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

Apparatus for producing carbon black, comprising a combustion chamber operative to produce a flow of hot gas, a reaction chamber having an inlet receiving the flow of hot gas and having an outlet opening so that the hot gas flows through the reaction chamber, a pipe connected to receive a supply of feedstock hydrocarbon and extending radially into the reaction chamber, and a nozzle connected to the pipe within the reaction chamber and operative to introduce the hydrocarbon feedstock into the reaction chamber in an axial direction substantially parallel to the flow of hot gas, so as to control the particle size distribution of carbon black particles thereby produced.

(Compl. Specn. 12 pages.

Drgns. 2 sheets)

Cl.: 40-B, 40-F.

172464

Int. Cl.: B 01 J 8/00, 19/00, 23/00.

METHOD FOR PRODUCING A LAMINATED CATALYST ELEMENT.

Applicant: GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventor: KENNETH WINSTON BEEBE.

Application No. 629/Cal/1989 filed on 03rd August 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A method for producing a laminated catalyst element comprising:

- (i) providing a metal support substrate such as herein described;
- (ii) applying to the said substrate a layer of a catalytically active noble metal selected from the group consisting of platinum, palladium, rhodium, iridium, osmium and ruthenium and combinations thereof;
- (iii) providing over the said noble metal layer a metal oxide selected from the group consisting of alumina, zirconia and thorina, if desired, in combination with a combustion catalyst selected from the group consisting of platinum, palladium, rhodium, iridium, chromium oxides, iron oxides, cobalt oxides, lanthanum oxides, terbium-cerium-thorium, ruthenium, osmium, nickel oxides, magnesium oxides and copper oxides;
- (iv) when the combustion catalyst is not combined with the metal oxide in step (iii) applying over the said metal oxide coating a layer of the said combustion catalyst.

(Compl. Specn. 13 pages.

Drgns. 1 sheet)

Cl.: 10 E.

172465

Int. Cl.: F 42 C 15/00.

AN IMPACT FUSE HAVING FORE-BORE SAFETY.

Applicant: NICO-PYROTECHNIK HANNS-JURGEN DIEDERICHS GMBH & CO. KG. OF BEIDER FEUERWERKEREI 4 D-2077 TRITTAU, FEDERAL REPUBLIC OF GERMANY.

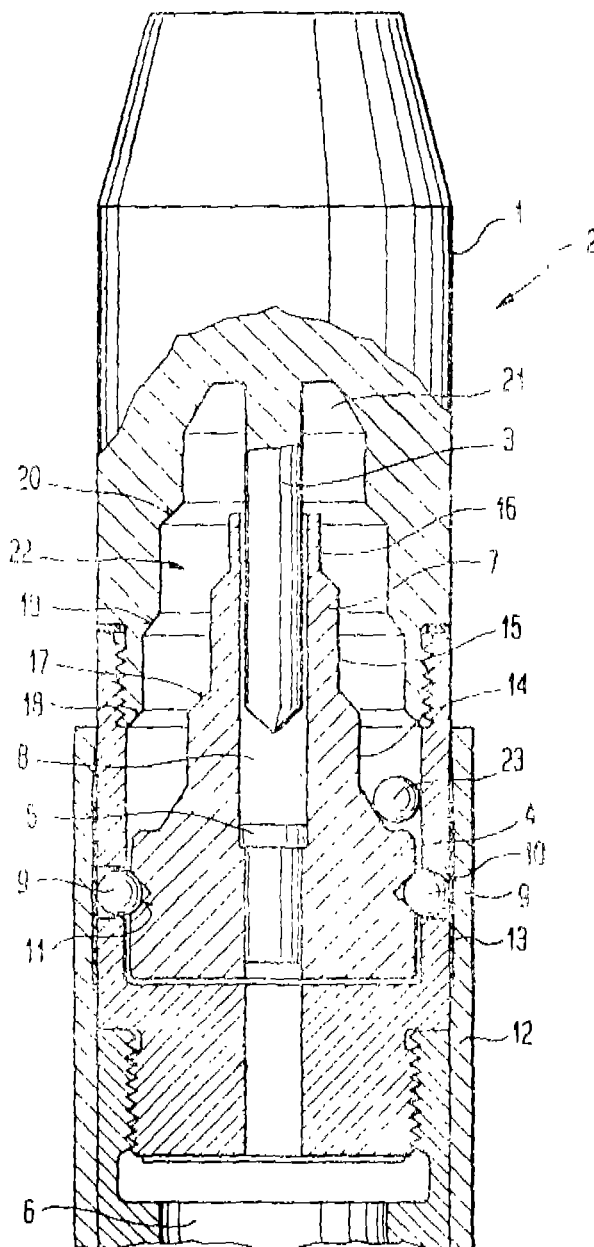
Inventor: WILLI LUBBERS.

Application No. 636/Cal/89; filed on 7th August 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

5 Claims

An impact fuse having fore-bore safety for a projectile, comprising a percussion needle stationary on the fuse, an impact body containing a percussion cap and supported slidably in the projectile's direction of flight, and a race for a blocking ball between the impact body and the inner wall of the fuse casing, which is limited by a groove in the impact body that is open toward the front in the projectile's direction of flight, the inner wall of the fuse casing and a shoulder opposite the open end of the groove in the projectile's direction of flight, as well as by a receiving space for the blocking ball adjacent thereto characterised in that the race for the blocking ball has a plurality of adjacent steps in the direction of flight of the projectile.



(Compl. Specn. 6 pages.

Drgns. 2 sheets)

Cl. : 25 B; 35 E 172466
Int. Cl. : C 04 B 35/00, 35/20, 35/42.

METHOD FOR THE PRODUCTION OF BASIC REFRACTORIES.

Applicant : ORISSA CEMENT LIMITED, OF RAJ-CANGPUR-770017, DIST. SUNDARGARH, ORISSA, INDIA.

Inventors : (1) DR. SHYAM LAXMAN KOLHATKAR & (2) DR. SANTOSH KUMAR MAHAPATRA.

Application No. 697/Cal/89; filed on 28th August, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A method for the production of basic refractories which is characterised by the steps of adding 0.1 to 5 parts by wt. of an additive comprising calcium fluoride, fluor spar dolomite, wollastonite, calcium nitrate or any mixture thereof to 100 parts by wt. mg-chrome (magnesite-chromite) aggregate, adding upto 3 parts by wt. of iron oxide and a temporary binder as herein described, adding water to the mix to obtain a mouldable consistency, moulding the wet mixture into the shape of bricks, drying and firing the bricks at a temperature of 1600° to 1630°C.

Compl. specn. 7 pages Drgs. Nil.

Cl. : 9 C, E, F 172467

Int. Cl. : C 22 C 1/00, 19/03, 19/04, 29/16.

METHOD FOR PREPARING A HARD METAL.

Applicant : KRUPP WIDIA GMBH. OF MUNCHENER STR. 90, D-4300 ESSEN 1, WEST GERMANY.

Inventor : HANS KOLASKA.

Application No. 757/Cal/89; filed on 15th September, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A method for preparing a hard metal having a hard material phase consisting of tungsten carbide and optionally other carbides such as herein described and a binding metal phase consisting of nickel and chromium, the method comprising blending the raw material in a powdered form, pressing and sintering in a conventional manner to provide the hard metal characterizing that the hard material is present in an amount of 2-25% by weight of the raw material blend and the binding phase comprises 0.1-10% by weight TiN, 5-15% chromium and balance nickel.

Compl. specn. 7 pages Drgs. 2 sheets.

Cl. : 55 E 4 172468

Int. Cl. : A 61 K 31/00.

A PROCESS FOR THE PREPARATION OF A SYNERGISTIC MEDICINE COMPRISING FLUPIRTINE, ITS SALTS AND ANTI-PARKINSON AGENT.

Applicant : ASTA MEDICA AKTIENGESELLSCHAFT OF 6000 FRANKFURT-AM-MAIN 1, WEISMULLER-STRASSE 45, GERMANY.

Inventors : (1) MICHAEL LOBISCH
(2) RALPH VENHAUS
(3) BERND NICKEL
(4) ISTVAN SZELENYI
(5) JURGEN ENGEL
(6) PETER EMIG.

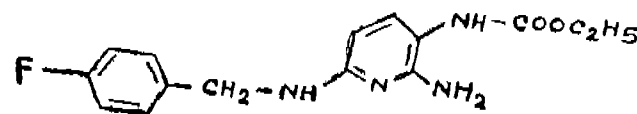
Application No. 421/Cal/91; filed on 4th June, 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process for the preparation of a synergistic pharmaceutical composition for combatting disorders and symptoms based on muscular tension or which are a consequence of

muscular tension, characterized in that flupirtine of the general formula 1 of the accompanying drawing or its therapeutically acceptable salts, as well as an anti-parkinson agent selected from (-) deprenyl, biperiden or L-dopa, are formulated into conventional forms such as tablets, capsules, emulsions, injectables, suspensions solutions, dermal formulations at temperatures in the range of 0° to 120°C with conventional pharmaceutical carrier, conventional auxiliary and/or diluting agents, the weight-ratio of flupirtine to anti-parkinson agent being 1 : 0.01 to 1 : 1.



FORMULA I

Compl. specn 24 pages

Drg. 1 sheet.

Cl. : 32 F 1

172469

Int. Cl. : C 07 C 15/00, 17/00, 19/02, 19/08
C 07 B 37/00.

PROCESS FOR THE PREPARATION OF BIARYLS.

Applicant : HOECHST AKTIENGESELLSCHAFT, OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) THOMAS SCHACH
(2) THEODOR PAPENFUHS
(3) JOACHIM HACKENBRUCH.

Application No. 755/Cal/91; filed on 7th October, 1991.

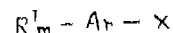
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

A process for the preparation of biaryls of the formula (1) of the accompanying drawings

in which Ar is a phenylene or naphthylene radical, R¹ is a hydrogen, fluorine or chlorine atom or an unbranched or branched alkyl

(C₁-C₆)-, alkyl (C₁-C₆)-O-, alkyl (C₁-C₆)-CO- or alkyl (C₁-C₆)-SO₂- radical and m is the number of still unsubstituted =C(H)- positions on the Ar radical, wherein a compound of the formula (2)



FORMULA (2)

in which Ar, R¹ and m have the meanings cited above and X is a chlorine or bromine atom, is dehalogenated and dimerized in the presence of a palladium catalyst such as herein described on a support material such as herein described, of a reducing agent such as herein described, a hydrogen halide acceptor such as herein described, a polyether or polyether mixture such as herein described and of water at temperatures from 50 to 120°C. said polyether/polyether mixture being present in amounts from 0.1 to 500% by wt (related to the aryl halide used), said hydrogen halide present in an amount of from 50 to 500 mol % (per mole of aryl halide used), said catalyst present in amounts of from 0.1 to 20% by wt (related to the support material) and said reducing agent being used in amount of from 0.1 to 200 mol % (per mole of arylhalide used).

Compl. specn. 15 pages

Drg. 1 sheet.

Cl. : 83 A1 +
B4 + B5

172470

Int. Cl. : A 23 K 1/00, 1/14, 3/03.

PROCESS OF PRODUCING PROTEINOUS FEED STUFF FOR ANIMALS BY TANNING PROTEIN SUBSTANCE.

Applicant : SOCIETE NATIONALE DE COM-MERCIALISATION DES OLEAGINEUX DU SENEGAL (F 32, RUE DU DOCTEUR CALMETTE DAKAR SENEGAL).

Inventors : (1) JACQUES, PIERRE PROMONT
(2) CLAUDE PORTILLA.

Application No. 777/Cal/91; filed on 14th October, 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Process of producing a proteinous feed-stuff for animals by tanning a protein substance, in particular one of vegetable origin such as oil seed proteins, characterised in that it includes the treatment of said protein substance by bringing it in contact and stirring in an aqueous medium with a dithiocarbamate type compound of formula as shown in accompanying drawings wherein A=H or alkaline metal, and R1 and R2 represent, independently of one another, H, C1-C4 alkyl or C3-C7 cycloalkyl, in an amount such as herein described, optionally in the presence of a bactericide such as herein described, said dithiocarbamate type compound having been partially degraded by a strong acid such as herein described, the amount of said acid for partial degradation being such as herein described.

Compl. specn. 8 pages

Drg. 1 sheet.

OPPOSITION PROCEEDINGS

An Opposition has been entered by Dr. S. K. Sajadian on grant of a Patent on Application No. 172050 (461/Del/89) dated 26th May, 1989 made by Sh. Sambasivan Venkat Eswaran.

PATENT SEALED ON 16-07-1993

169807* 169808 169967 170041* 170111 170139 170253* 170266 170320 *D 170417 170486 170487 170626 170627 170628 170678 170840 *D 171273* 171274* 171275* 171435* 171436* 171557.

Cal-06, Mas-10, Del-04 & Bom-03.

*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" Under Section 87 of the Patent Act, 1970 from the date of expiration of three years from the date of Sealing.

D—DRUG PATENT.

F—FOOD PATENT.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that HYLSA, SA, de CV, a corporation of Mexico, of Apdoo Postal 996, Monterrey, N L Mexico,

Have made an application under Section 57 of the Patents Act, 1970, for amendment of Application and Specification of their application for Patent No. 169323 for "APPARATUS FOR THE GASEOUS REDUCTION OF PARTICULATE IRON ORE".

The amendments are by way of correction. The application for amendments and the proceed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form 30 within 3 months from the date of Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

RENEWAL FEES PAID

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164287 164381 164410 164462 164463 164506 164517 164715 164787 164795 164944 165006 165057 165102 165197 165270 165556 165611 165686 165822 165848 165964 166386 166530 166763 166786 166949 166950 167159 167174 167178 167190 167197 167215 167217 167218 167247 167249 167268 167381 167401 167429 167435 168339 168370 168406 168407 168609 168690 169349 169360 169393 169407 169409 169424 169426 169444 169463 169464 169489 169523 169524 169525 169567 169610 169706 169708 169796 169799 169823 169825 169918 169651 169960 169972 170013 170014 170036 170059 170126 170174 170640 170720

CESSATION OF PATENTS

156985 166381 168176 151070 151071 151100 151130 151159 151169 151189 151207 151307 151312 151330 151363 151384 151395 151436 151471 151514 151536 151586 151604 151620 151643 151653 151657 151669 151723 151724 151737 151747 151754 151791 151796 151807 151853 151873 151895 151937 151955 151958 151976 152012 152017 152019 152035 152038 152058 152059 152068 152078 152087 152088 152101 152111 152141 152153 152156 152157 152163 152167 152181 152187 152189 152195 152206 152221 152223 152233 152258 152263 152267 152280.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years, from the date of the registration except as provided for in Sec. 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration of the designs included in the entry.

Class 1. No. 165149. Wellman Fan Industries, 35, Chittaranjan Avenue, Calcutta-700 012, Basement, W.B., India. "Motor body cover of electric ceiling fan". December 29, 1992.

Class 1. No. 164783. Cosmic Traffic Systems P. Ltd. of 5, Anjali Apartments, Ramkrishna Mission Marg, 14B, Road, Khar (W), Bombay-400 052, Maharashtra, India, Indian Co. "Directional Bollard with stand". September 15, 1992.

Class 1. No. 164835. Parminder Enterprises, Vill. Gill, Ludhiana, Punjab, India, Indian Partnership Firm. "Nipple key for stoves". October 1, 1992.

Class 1. No. 164885. Samrat International, B-5/118-Yamuna Vihar, Delhi-110 053, India, Proprietary Firm. "Electric Iron". October 13, 1992.

Class 1. No. 164916. Graphic Industries Co., Indian Partnership Firm of 22, Netaji Subhas Road, Calcutta-700 001, W.B., India. "Jerry can sprayer". October 23, 1992.

Class 1. No. 164938. Sturm, Ruger & Company, Inc., Lacey Place, Southport, Connecticut 06490, U.S.A. "Grooved Piston Slide". November 5, 1992.

Class 1. No. 164995. Cosmic Traffic System Pvt. Ltd. of 5, Anjali Apartments, Ramkrishna Mission Marg, 14B Road, Khar (W), Bombay-400 052, Maharashtra, India, Indian Co. "Road Studs" November 16, 1992.

Class 3. No. 164977. Malson Electronics, a partnership firm, of 1/10, Prabhadevi Industrial Estate, 1st B., Veer Savarkar Road, Prabhadevi, Bombay-400 025, Maharashtra, India. "Overload Voltage Magazine". November 12, 1992.

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